

HCAP Conference January 21, 2004

# HealthTrack

El Paso County, Colorado (Colorado Springs)

Presented by:

Karen Williamson

Lead System Project Manager El Paso County Department of Health & Environment



#### HealthTrack Perso EPC #: 19843 Duck Name: Last Name<sup>a</sup> DOB:\* 5/5/1955 Maiden Name: Goose Gender: Female Language: German Emp Status: 21-30 hr/wk 🔻 CHC: Enrol Pavor: Medicare Payor Source Coverage: Start Date PCP: Created By: Clinician, PSF On 12/22/03 10:13 Al Updated By: User, Super On 1/12/04 2:14 PM Address / Phone | Comments | AKA | Org-I App ID Арр Туре App Date 7296 Medicaid 12/5/200 7310 CICP 10/12/20

# In the beginning...

- ▲ Denver Health & Hospital Authority (DHHA) had an application tracking system
  - ➤ Available only within their organization
  - > Tracks the status of Medicaid applications
  - ➤ Updated by Human Services employees working at DHHA
- ▲ Willing to license the system design business rules



Perso

EPC #: 19843

Last Name

5/5/1955

Duck

HealthTrack

Name:

DOB:\*

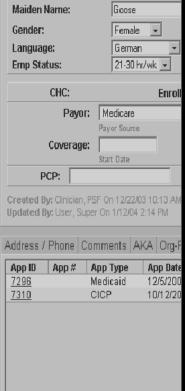
# Our Situation

- ▲ Multiple independent agencies
  - > Clients completing paperwork everywhere
  - ➤ No way to know status of pending applications
- ▲ No common network
- ▲ No common medical records system
  - > Clients being seen in multiple agencies
  - ➤ No inter-agency communication

Effective? No

Coordinated Care? No

Efficient? No







### Once it was our Vision--Now it is our Real

El Paso County
Department of
Health &
Environment

**Faith-Based** 

(1 now; 2 planned)

**Clinics** 



-city owned

-private



# Future agencies:

-Medical Society (Project Access

-Pharmacy feed

-Private Physicia (Project Access billing feed;

Perhaps some direct access)



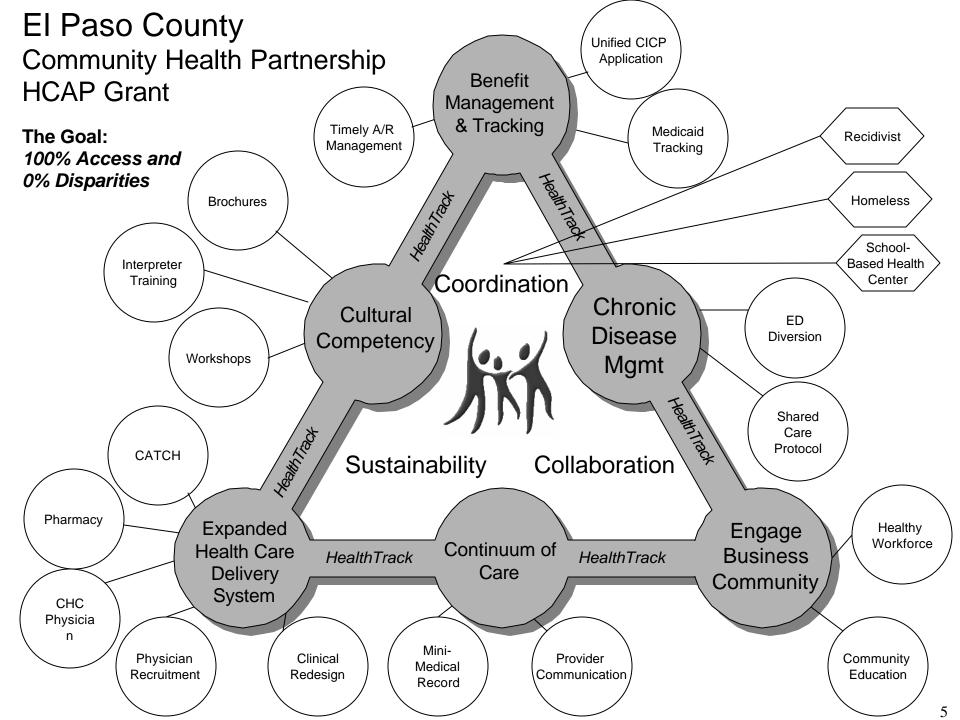




# El Paso County Department of Human Services (applications only)

# **Community Health Centers**

(single agency, multiple sites)





### Timeline



▲ Sept. 2001

**▲** Oct. 2001

**▲** May 2002

▲Dec. 2002

▲ Feb. 2003

▲ Apr. 2004

Award grant

Began design

System ready

First entry of applications/people

First visits entered

Project Access



# HealthTrack Today

- ▲ Operating in 6 partner agencies
- ▲ Web-based
- ▲ Robust SQL database
- ▲ Server and System Administrator located at Public Health Department
- ▲ Shared development with DHHA
- ▲ Master Business Associate Agreement (HIPAA) signed





## Functionality

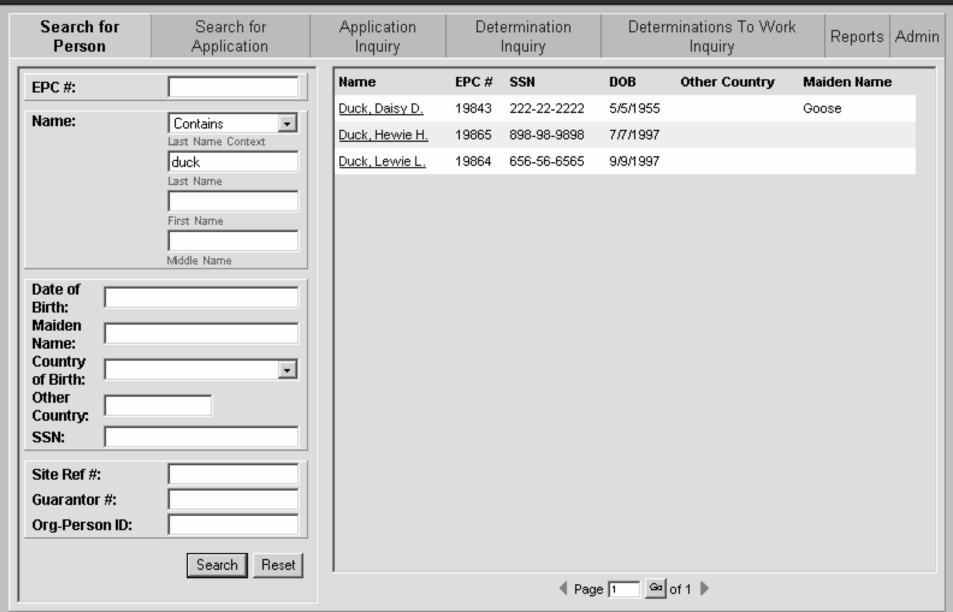


CICP

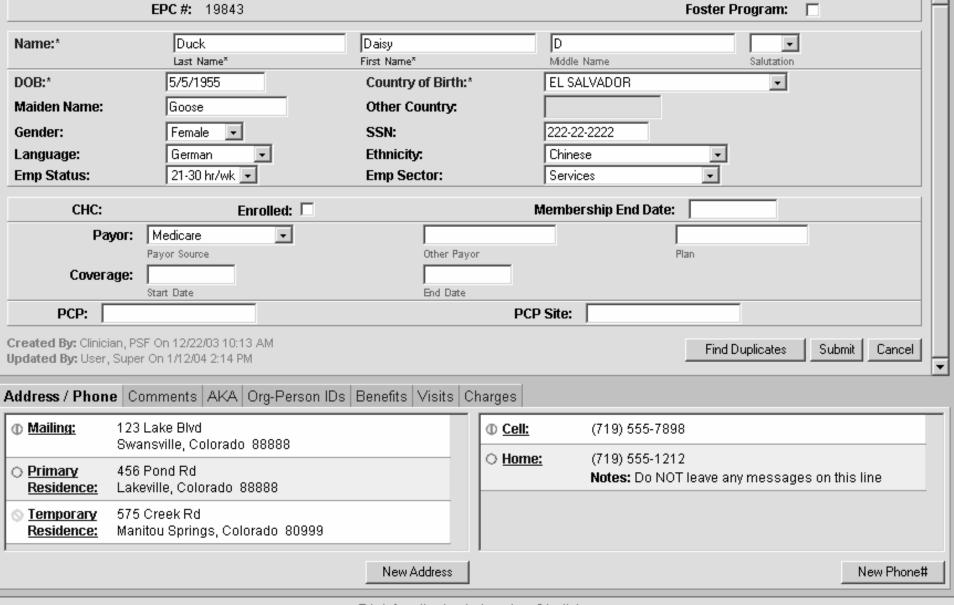
10/12/20

7310

- ▲ Application Tracking (CHP+, CICP, Medicaid)
- ▲ Medical Visit History Summary
- ▲ Track Charges Pending Determination
- ▲ Community Statistical Data Collection
- ▲ Inter-agency Communication
- ▲ Project Access (in development)
- ▲ Chronic Disease Management Pathway (planned)
- ▲ Healthdoc (mobile platform DHHA)

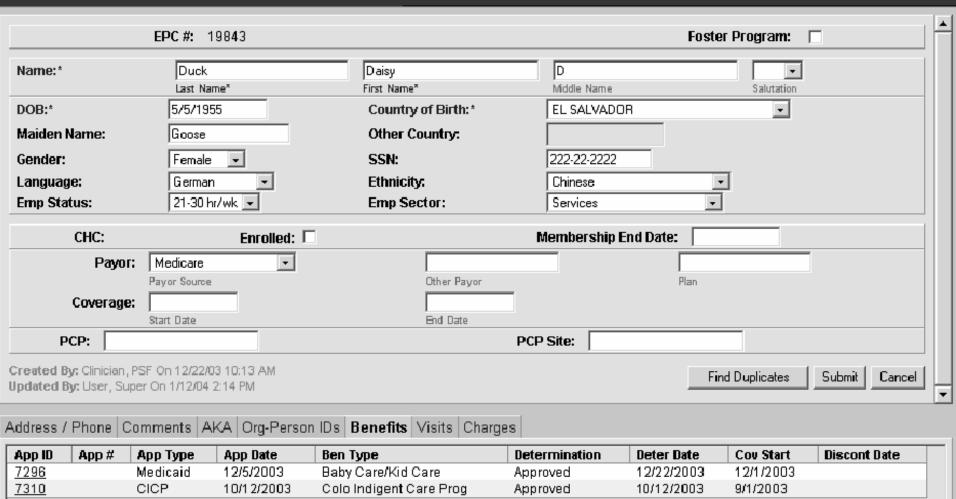


### Person Information



### **HealthTrack**

### Person Information



### Person Information

		EPC#:	19843					Foster Program:	
Name:*		Duck Last N		Dai:	sy Name*	D Middle	Name	Salutation	
DOB:*		5/5/1:	955	Co	untry of Birth:*	EL SA	LVADOR	•	
Maiden Name:		Goose	<u> </u>	Ott	ner Country:				
Gender:		Femal	e 🔻	SS	N:	222-22	2-2222		
Language:		Germa	an 🔻	Eth	nicity:	Chine	se	•	
Emp Status:		21-30	hr/wk ▼	Em	p Sector:	Servio	es	•	
СНС:	:		Enrolled	t: □		Membe	rship End Date:		
Р	ауог:	Medicare		-					- II
		Payor Source	e	_	Other Payor		F	Plan	
Cover	гаде:								
PCP:		Start Date			End Date	PCP Site:			
						PCP Site.			
Created By: Clinic Updated By: Use								Find Duplicates	Submit Cancel
<b>Opario 29,</b>	. I oabo	011 111210							▼
Address / Phon	e Cor	nments	AKA Org-Pe	rson IDs Benef	its <b>Visits</b> Charge	s			
Visit ID: 7959	Site	Ref #		Visit Type:	Outpatient	Visit Date:	12/14/2003	Discharge D	ate:
		anization:	CHC	Service Site:	Homeless Medical	Reason:	Fever	Alert: 🗌 Ad	ddressed: 🗆
Outcome 1 Impression	Гуре		<b>Description</b> pt said that she	e is supposed to be	getting pt assistance	program meds	soon but she can'	·	
Visit ID: <u>7956</u>	Site	Ref #		Visit Type:	Outpatient	Visit Date:	12/12/2003	Discharge D	ate:
		nization:	PSF	Service Site:	Penrose Hospital	Reason:	Abdominal Pain	Alert: 🗆 Ad	ddressed: 🗆
Outcome 1 Impression	Гуре		<b>Description</b> Severe pain in	right side					
Visit ID: <u>7955</u>	Site	Ref #		Visit Type:	Outpatient	Visit Date:	12/1/2003	Discharge D	ate:
		anization:	PSF	Service Site:	Penrose Community.	Reason:	Fever	Alert: 🗆 A	ddressed: 🗆
Outcome 1 Laboratory	Гуре		<b>Description</b> CDC						
Prescription	1		wen opelnops:	<					₹
Visit History					₫ Dogo 2 Gal	ا میدا			New Visit

### HealthTrack-Test\_Environment

### Searches, Inquires, and Reports

New Person | New Application | Log Out | Help

Search for Person	Search for Application	Applica Inqui		Determii Inqui		Determinations Inquiry	To Work	Reports Admin
App ID:		App ID	App#	Арр Туре	App Date	Applicant	SSN	EPC#
App #:		<u>7311</u>		CHP+	12/29/2003	Duck, Daisy D.	222-22-222	2 19843
Household #:		<u>7296</u>		Medicaid	12/5/2003	Duck, Daisy D.	222-22-222	2 19843
Guarantor #:		<u>7310</u>		CICP	10/12/2003	Duck, Daisy D.	222-22-222	2 19843
Applicant/ Beneficiary:  Date of Birth: Maiden Name: Country of Birth: Other Country: SSN:	Starts With  Last Name Context  Duck  Last Name  First Name  Middle Name				Page      I	G∞ of 1 ▶		

### HealthTrack-Test\_Environment

### Application Information

	cant Name: (				PC#: 198		
	Date:*	12/29/200					ric Clinic 🔻
	Type:*	CHP+	App Origi	,	CHC Agency 🔽	App #:	
	Tech:	4	CHP+ Tec	cn: Family Income:	\$1,300.00		ICP Rate:
	ly Size: antor #:	4		Household #:	\$1,300.00	1	ice rate.
	ase Signed:		Back Date		Bac	k Date To	
enef	iciary Docu	ments   Tra	cking Comments				
	Name: Duck,	Lewie L.			656-56-6565	DOB: 9/9/1997	<b>EPC</b> #: 19864
	Name: <u>Duck,</u> Benefit 1	Lewie L.	cking Comments  Determination Pending	SSN: Deter Date	656-56-6565 Cov Start	DOB: 9/9/1997 Discont Date	EPC #: 19864 State #
	Name: <u>Duck,</u> Benefit 1	Lewie L. Type th Plan Plus	Determination	Deter Date			
enef Edit Edit	Name: <u>Duck,</u> Benefit 1 Child Hea Name: <u>Duck,</u> Benefit 1	Lewie L. Type th Plan Plus Hewie H.	Determination	Deter Date	Cov Start	Discont Date	State #
Edit	Name: <u>Duck,</u> Benefit 1 Child Hea Name: <u>Duck,</u> Benefit 1	Lewie L. Type th Plan Plus Hewie H.	Determination Pending  Determination	Deter Date SSN:	<b>Cov Start</b> 898-98-9898	Discont Date  DOB: 7/7/1997	State # EPC #: 19865

New Beneficiary



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### Reporting

- ▲ 8 Standard Reports
  - ➤ Most reports have multiple filtering options
  - > Access restricted by role
- ▲ Custom report capability
  - ➤ System Administrator can build report using Crystal Reports
  - > Dynamic table selection
  - ➤ Option for background restriction to organization data only
  - ➤ Access restricted by role, organization, and/or individual

### HealthTrack



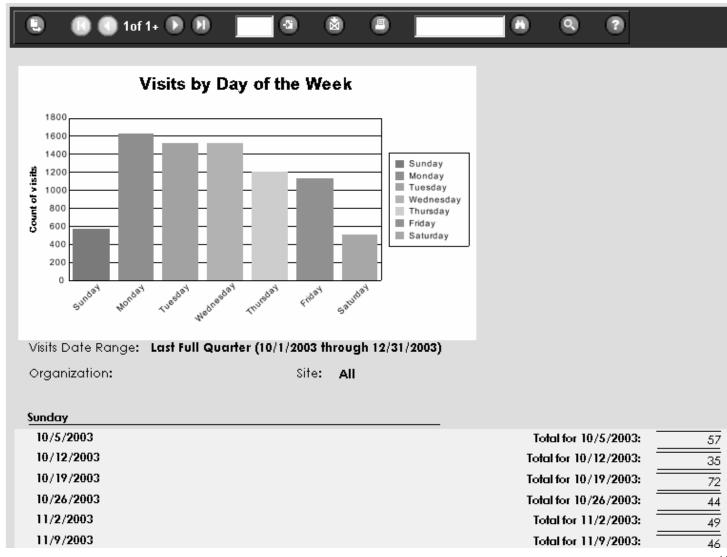
# Standard Report Filters

Application Type:  Application Type:  Application Type:  All  Select <all> or a single Application Type.  Benefit Type:  Select <all> or a single Application Type.  CHC:  Enroll  Payor: Medicare Payor Source Soverage:  Start Date  DHS Received:  Application Date Start  Application Date End  DHS Received:  Application Date  Application Type  Application Type</all></all>	Select <all> for information across application originators, or select a single application originator.  Application Type:  All  Select <all> for information across application originators, or select a single application originators.  Application Type:  All  Select <all> or a single Application Type:  Select <all> or a single Application Type.  Days Aged:*  Less than 30 Days  Select <other> to enter a custorm date range below.  App. Date Range:*  Application Date Start  Application Date End  DHS Received:  All  Select <no> to show only applications that have not been received at DHS.  Primary Sort:  Application Date  Application Date  Secondary Sort:  Application Type  Application Type  Application Type  Application Type</no></other></all></all></all></all>	ion Type:	Select <aii> for information across application originators, or select a single application origin  All Benefit Type:  Select <ai> or a single Application Type.  Select <ai> or a single Application Type.  Less than 30 Days</ai></ai></aii>
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CICP 10/12/20			

# HealthTrack Breaking the Barriers to Health Care

#### HealthTrack Perso EPC#: 19843 Duck Name:\* Last Name\* 5/5/1955 DOB:\* Maiden Name: Goose Gender: Female Language: German **Emp Status:** 21-30 hr/wk 🔻 CHC: Enrol Medicare Payor: Payor Source Coverage: Start Date PCP: Created By: Clinician, PSF On 12/22/03 10:13 AM Updated By: User, Super On 1/12/04 2:14 PM Address / Phone | Comments | AKA | Org-F App ID App Date Арр Туре 7296 Medicaid 12/5/200 7310 CICP 10/12/20

### **Custom Reports**

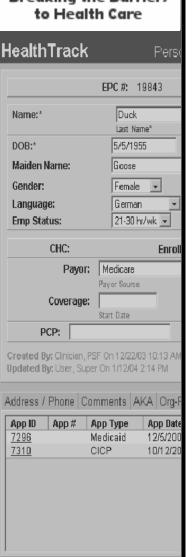




## After one year of operation

- ▲ 27,065 clients
- ▲ 8,627 applications
  - ➤ 14,783 benefits being applied for
- ▲ 16,967 visits (still ramping up)
  - ➤ 17 clients have visited 3 of 4 organizations

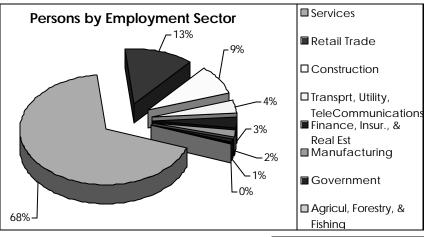
Site Visited								
CHC	MH	PSF	SET					
6	3	7	0					
0	2	5	1					
0	3	1	4					
1	1	5	0					
0	2	3	1					
3	0	1	2					
4	1	0	1					
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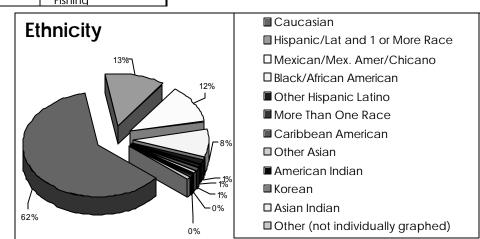


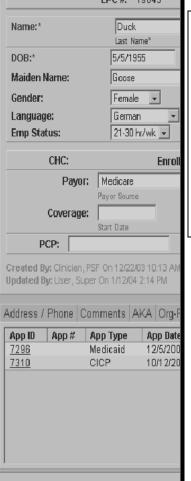
# HealthTrack Breaking the Barriers to Health Care

# Breaking the Barriers to Health Care HealthTrack EPC #: 19843 Persons by Employment Sector

# HealthTrack: Known Employment Status of Persons Applying For Benefits 12/1/2002 - 11/31/2003 Child, not working 38% Unemployed 41%



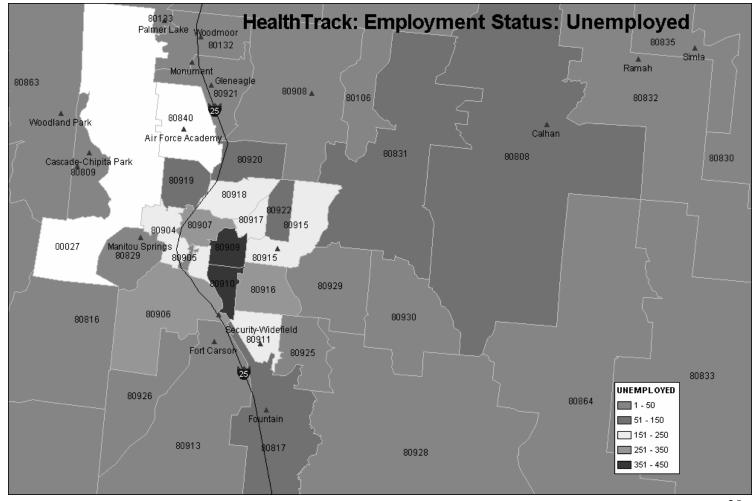






### Demographics







### **Provider Benefits**

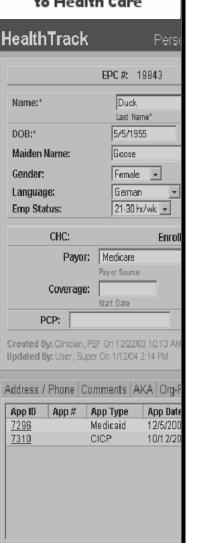




- ➤ Coordination of care through access to health history from many locations
- ➤ Community-wide Chronic Disease Management
- > Improve patient care outcomes

### ▲ Financial Benefits

- ➤ Provides application information for more timely billing
- ➤ Helps reduce costs by not repeating medical tests





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### Client Benefits

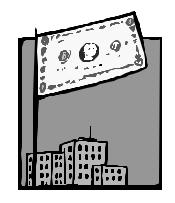


- ▲ Improves timely access to services by tracking application status for public health insurance (Medicaid, CICP, CHP+)
  - ➤ Helps avoid filling out paperwork many times
  - > Allows doctors to see benefits
  - ➤ Makes it more likely doctor will get paid so client doesn't get a bill
  - ➤ Enhances quality of life through consistent Chronic Disease Management
- ▲ Improves coordination of care between hospitals and doctors by providing medical facts



### HealthTrack Perso EPC#: 19843 Duck Name: Last Name<sup>2</sup> DOB:\* 5/5/1955 Maiden Name: Goose Gender: Female Language: German Emp Status: 21-30 hr/wk 🔻 CHC: Enrol Pavor: Medicare Payor Source Coverage: PCP: Created By: Clinician, PSF On 12/22/03 10:13 A Updated By: User, Super On 1/12/04 2:14 PM Address / Phone | Comments | AKA | Org-F App ID Арр Туре App Date 7296 Medicaid 12/5/200 7310 CICP 10/12/20

### Community Benefits



- ▲ Decreases the number of uninsured children and adults in El Paso County
- ▲ Saves tax dollars
- ▲ Saves money for hospitals and doctors from unpaid bills and care redundancies
- ▲ Reduces the cost of care for the insured

Result: A Healthy Community with improved access to care



# HealthTrack HealthTrack A HealthTrack is HIPAA Compliant DOB: Maiden Name: Gender: Gender: Language: HealthTrack is HIPAA Compliant A Audit tracking

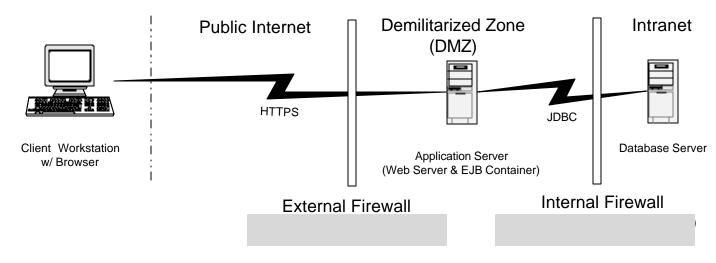
- > Flexible security structure
- > Role-based logins
- ▲ Master Business Associate Agreement
- ▲ Planned Year-3 Enhancement
  - ➤ Organizational and visit specific security



# HealthTrack Breaking the Barriers to Health Care

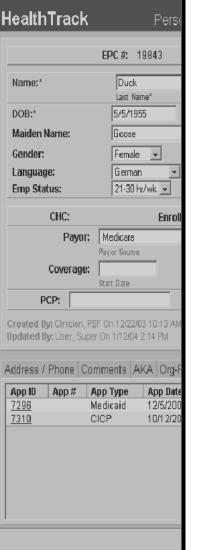
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## Security Infrastructure



- ▲ All Transactions use SSL (https://)
- ▲ Web server secure certificate
- ▲ Virus protection on server
- ▲ Authentication, Authorization, Auditing
- ▲ All unnecessary services disabled

# HealthTrack to Health Care



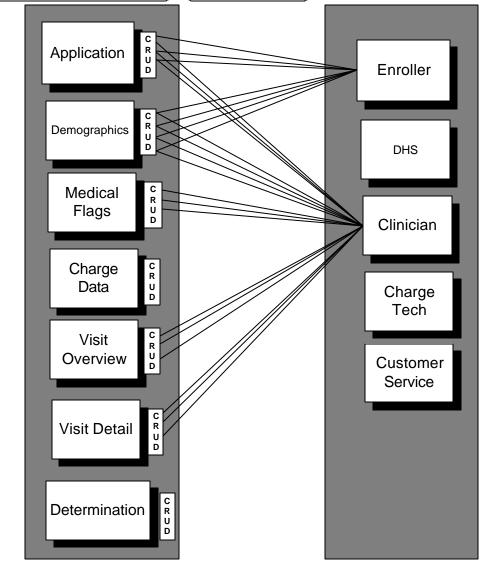
# Security Architecture

- ▲ Flexible role-based security
- ▲ Additional ability to restrict capability by site

#### **Capability Permissions** Action you want to perform User defined with a set of data They can be **Initially User Predefined** Once in place they are fixed

changed as needed

**User Roles User defined** They can be changed as needed





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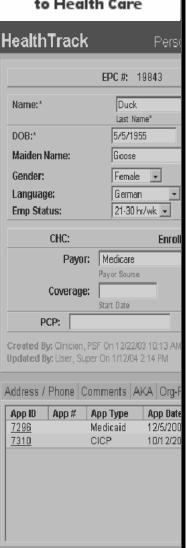
# Master Business Associate Agreement

- ▲ Written by attorney specializing in HIPAA
- ▲ Required before an organization granted access
- ▲ Provides for how the business associates will use the system
- ▲ Specifies an oversight committee



### Lessons Learned

- - **▲** Communication
    - ➤ Buy-in of CEO and CIO
    - > "Worker Bees" (user group meeting)
    - > Don't forget the mid-management



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### **Contact Information**

### ▲ Karen Williamson

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### ▲ Craig Dahl

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main: (303) 542-7100

Craig.Dahl@ilg.com